

HALOGEN ACID SCAVENGER & STABILIZER FOR PVC

HISORB-1

SYNTNTHETIC HYDRO-TALCITE

heubach

PRODUCT DESCRIPTION

Product	Synthetic Hydrotalcite
Chemical Description	Magnesium Aluminum Hydroxide Carbonate
Chemical Formula	$Mg_{1-x}Al_x(OH)_2(CO_3)_x \cdot 2mH_2O (0 < x \leq 0.5)$
CAS No	110097-59-9
EC No	234-319-3

TECHNICAL DATA

Appearance	Fine White Powder
Density [g/cm ³]	2.0 DIN EN ISO 787-10
Specific Surface [m ² /g]	5 - 15 BET
pH (5%)	8 - 9.5 5% Ethanol in Water
Oil Absorption[ml/100g]	35 - 45 DIN EN ISO 787-5
Loss on ignition(%)	43.5 - 45.0 @ 800°C / 4 Hrs.
Loss on Drying(%)	<0.5 @ 105°C / 4 Hrs.
Al ₂ O ₃ (%)	19 - 23 By titration
MgO(%)	30-35 By titration
Particle Size(μm)	80% < 1, 100% < 5 Laser Diffraction

REGULATIONS

Germany BfR recom. IX	Compliant
APME AP 89/1	Compliant
USA (FDA) GRAS	Listed
Food Contact Materials (EU)	PM/REF No.34690
Toys Europe EN 71-3	Compliant
Toys USA ASTM F 94/62	Compliant
CONEG, EC 94/62	Compliant
RoHS,2002/95/E, 2005/618/EC	Compliant
End of Life Vehicles, 2000/53/EC, 2002/525/EC	Compliant

PACKAGING

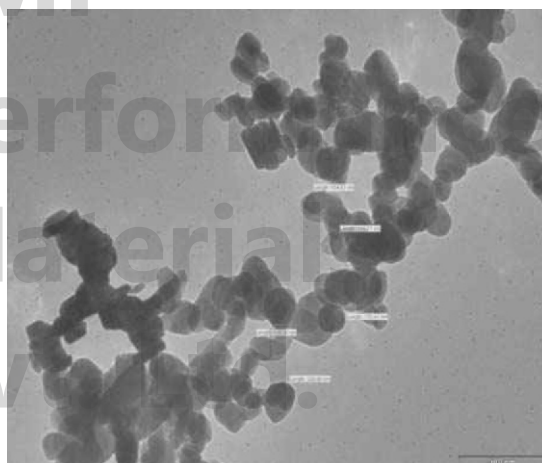
-25kg LDPE Bags with inside liner
-Different types of packaging are available on request

APPLICATION & ADVANTAGES

HISORB 1 acts as **Excellent Halogen scavenger, stabilizer** for polyolefines produced with Ziegler-Natta, FriedelCrafts or other acid catalysts and acid acceptor for EVA, halogenated Rubber etc. HISORB 1 is having following advantages.

- Safe (Approved for food contact)
- Non-Kosher/Non-Halal offending coatings available
- Efficient (Applications require only small dosages)
- Polymer yellowing is suppressed
- No stearic vapour problem
- Reduction of water carry-over
- High Anti-Corrosivity
- Negligible impact on Mechanical Strength

ELECTRON MICROGRAPH



PARTICLE SIZE DISTRIBUTION

